

A system, method and article of manufacture are provided for storing an incoming datagram in a switch matrix of a switch fabric. The switch matrix has a pair of buffers with each buffer having a pair of portions. Data of a datagram is received and the buffer portions are sequentially filled with the data. Periodically, transfer of data is allowed from the buffers into the switch matrix. At each period where transfer of data is allowed in the sequence that the buffer portions were filled, the data in one of the buffer portions may be transferred into the switch matrix.